

US 50 IS ASSUMED
TO RUN IN AN
EAST-WEST DIRECTION

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
*	1 EACH	DETECTOR RACK POWER SUPPLY
*	1 EACH	4-CHANNEL DETECTOR RACK
*	3 EACH	4-CHANNEL RACK MOUNTED DETECTOR AMPS
*	92.5 S.F.	SHEET ALUMINUM SIGNS
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST," US 50, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST," US 50, (90 DEGREE LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST," US 50, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST," US 50, (90 DEGREE LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH," MARYLAND 452, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
1 EACH		ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH," MARYLAND 452, (LEFT ARROW)", 30" x 51", POLE MOUNTED HARDWARE

* - TO BE INSTALLED BY THE SHA SIGNAL SHOP AND CHARGED TO THE DETECTOR RETROFIT CHARGE NUMBER.

B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR

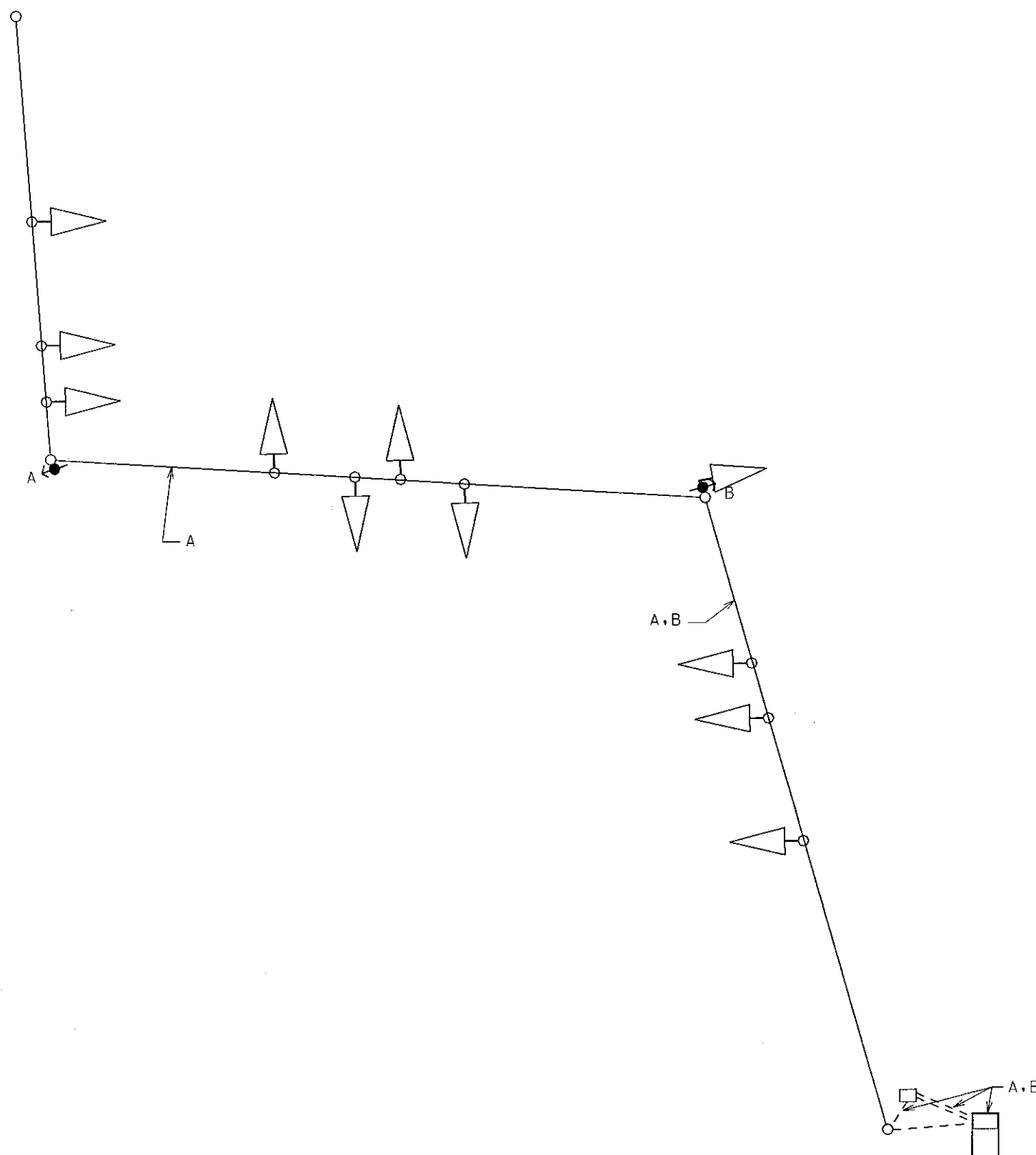
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
8005	1 EACH	F & I #764 DISCRIMINATOR MODULE
8018	540 L.F.	F & I 4-CONDUCTOR OPTICOM DETECTOR CABLE
8022	50 L.F.	F & I WOOD SIGN SUPPORTS - 4" x 4"
8042	92.5 S.F.	INSTALL GROUND MOUNTED SIGN
8047	2 EACH	F & I OPTICOM NO. 721 DETECTOR EYE

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
		ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

WIRING DIAGRAM

A-B = 4-CONDUCTOR OPTICOM DETECTOR CABLE



NOT TO SCALE

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12
(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)

PHASE 1 & 5	(G)	(G)	R	R	(G)	(G)	R	R	R	R	R	R
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6, OR 2 & 5, OR 2 & 6											(R)
PHASE 1 & 6	(G)	(G)	G	G	(R)	(R)	R	R	R	R	R	R
1 CHANGE	(Y)	(Y)	G	G	(R)	(R)	R	R	R	R	R	R
PHASE 2 & 5	(R)	(R)	R	R	(G)	(G)	G	G	R	R	R	R
5 CHANGE	(R)	(R)	R	R	(Y)	(Y)	G	G	R	R	R	R
PHASE 2 & 6	(R)	(R)	G	G	(R)	(R)	G	G	R	R	R	R
2 & 6 CHANGE	(R)	(R)	Y	Y	(R)	(R)	Y	Y	R	R	R	R
PHASE 4 & 8	(R)	(R)	R	R	(R)	(R)	R	G	G	G	G	G
4 & 8 CHANGE	(R)	(R)	R	R	(R)	(R)	R	R	Y	Y	Y	Y
FLASHING	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R
OPERATION												

SPECIAL PHASING

PHASE 3	(R)	(R)	R	R	(R)	(R)	R	R	(G)	G	G	R	R
3 CHANGE	(R)	(R)	R	R	(R)	(R)	R	R	Y	Y	Y	R	R
PHASE 7	(R)	(R)	R	R	(R)	(R)	R	R	R	R	(G)	G	G
7 CHANGE	(R)	(R)	R	R	(R)	(R)	R	R	R	R	Y	Y	Y

FIRE HOUSE PRE-EMPTION - PHASE 1 & 6

FIREHOUSE PRE-EMPTION PHASE 1 & 6	(G)	(G)	G	G	(R)	(R)	R	R	R	R	R	R	R
PRE-EMPTION CLEARANCE	(Y)	(Y)	Y	Y	(R)	(R)	R	R	R	R	R	R	R
PHASE 2 & 6 NORMAL OPERATION	(R)	(R)	G	G	(R)	(R)	G	G	R	R	R	R	R


FIRE HOUSE PRE-EMPTION - PHASE 2 & 5

FIREHOUSE PRE-EMPTION PHASE 2 & 5	(R)	(R)	R	R	(G)	(G)	G	G	R	R	R	R	R
PRE-EMPTION CLEARANCE	(R)	(R)	R	R	(Y)	(Y)	Y	Y	R	R	R	R	R
PHASE 2 & 6 NORMAL OPERATION	(R)	(R)	G	G	(R)	(R)	G	G	R	R	R	R	R

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. GENE COPIELL ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 677-4040	MR. RICHARD DAFF CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630
MR. JAMES R. WRIGHT ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 677-4010	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7631
MR. BRUCE W. POOLE ASSISTANT DISTRICT ENGINEER - UTILITIES PHONE: (410) 677-4082	MR. EDWARD RODENHIZER CHIEF, SIGNAL OPERATIONS SECTION PHONE: (410) 787-7652

				MARYLAND DOT - STATE HIGHWAY ADMINISTRATION	
Office of Traffic & Safety					
TRAFFIC ENGINEERING DESIGN DIVISION					
US 50 and MD 452/ SEAHAWK ROAD					
BERLIN, MARYLAND					
DRAWN BY: <u>William Malen</u>		F.A.P. NO.		T.S. NO.	
CHECKED BY:		S.H.A. NO. <u>W050TAS1/P51</u>		TS-506 E	
SCALE: <u>AS NOTED</u>		COUNTY <u>WORCESTER</u>		T.I.M.S. NO.	
DATE: <u>05/2003</u>		LOG MILE <u>23005008.38</u>		F606	
				SHEET NO.	
				2 OF 2	